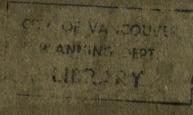
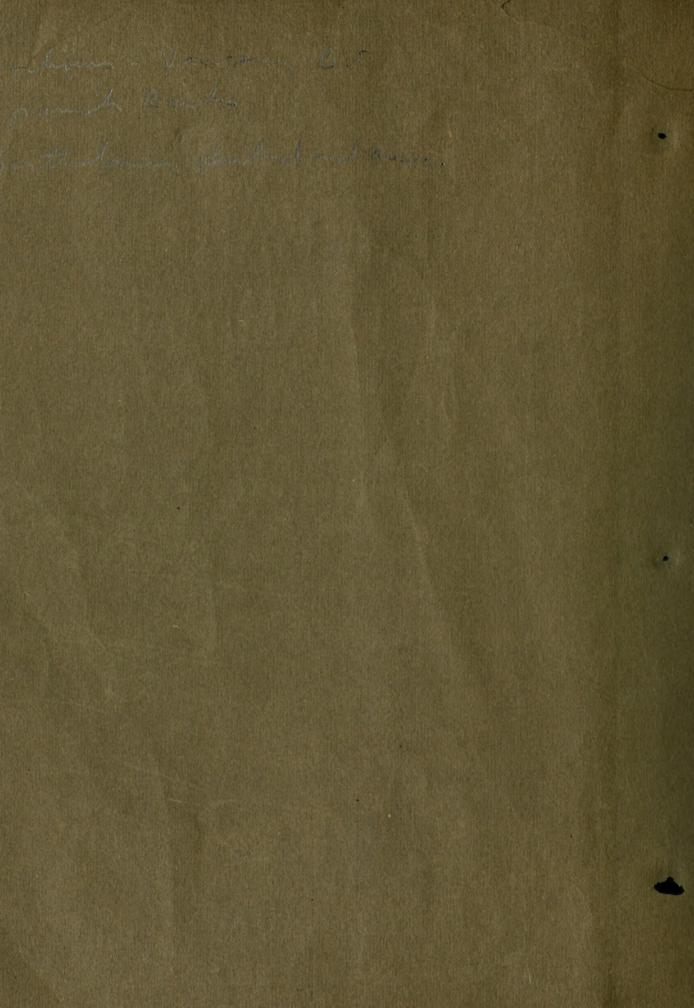
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# PROPOSED SPANISH BANK PORT TERMINAL



POINT GREY
TOWN PLANNING COMMISSIO
WM.D. HUDSON
HARLAND BARTHOLOMEW& ASSOCIA
CONSULTANTS



PLANNING DEPT.

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### REPORT ON THE

PROPOSED SPANISH BANK HARBOUR PROJECT

To The

POINTGREY TOWN PLANNING COMMISSION

12th June, 1928

#### DESCRIPTION

The proposed Spanish Bank Harbour Development has for its purpose the reclamation of some seven
hundred (700) acres of land along Spanish Bank of English
Bay from a point about even with Alma Road to and somewhat
beyond Point Grey, the entire distance being about five (5)
miles. (See Flan No. 82, date, 28th February, 1912, scale
one inch equals 12 chains, Vancouver Terminals Company)

The project has for its purpose the creation of dockage for general shipping and land for industries.

The Harbour would be artificially created by dredging a deep inner channel and basin, the material from which would be then thrown seaward and shoreward to form a break water and land for industries and docks. According to the

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sketch plan submitted, there would be created about one hundred and fifty (150) acres of dockage and wharfage and five hundred and sixty (500) acres of land available for industrial purposes.

An essential part of the project is the construction of terminal railroad tracks, apparently some twenty (20) or thirty (30) miles in length and involving about four (4) miles of tunnel construction. According to the plan the railroad tracks thus provided, terminate at the Government Bridge at New Westminster. One loop of the terminal track extends northerly across the Point Grey district from a point about one mile west of Marpole and then northwesterly to the easterly end of the harbour development along English Bay. The other loop of the track follows the North Arm of the Fraser River around Point Grey thus completely encircling this territory with railroad tracks.

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#### COST OF PROJECT

No definite figures have been made available as to the cost of such a project in its entirety, but it has been indicated that the total cost will approximate \$75,000,000.00

### ADVANTAGES CLAIMED FOR PROPOSED PROJECT

The project apparently was conceived through a desire to create additional harbour and industrial facilities for the Vancouver district. Some of the advantages claimed for the Spanish Bank Harbour are as follows:-

1. Its Easy Accessibility the data was a second by Land and Water.

There is no question but that the proposed harbour site can be made accessible by land through the construction of adequate highways and rail roads. It is, of course, about as far from the present land routes of travel as it could well be.

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available as to the cost of such a project its

will approximate 375,000,000.00

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It is conceivable that a harbour, constructed in this location, could be made easily accessible by water, but in its present form as proposed, it is hardly as easy of entrance as the present Burrard Inlet. It will be noted from the drawing accompanying the promoters' description of the project that vessels entering and leaving the inner harbour would be compelled to make a complete turn before standing clear for entrance to the harbour or to the straits. The entrance channel as drawn, is only about six hundred (600) feet wide, which is considerably less than one half of the width that can be obtained at the First Marrows. There will doubtless be less current to contend with in entering the inner harbour. but even this advantage would not be obtained unless there were adequate opening at the westerly end of the harbour to equalize the tidal flow.

It is conceivable that a harbour, con-Tiece them ed bloom , nothered sind of heterrita accessible by water, but in its present form as proposed, it is hardly as easy of entrance as the present Burrerd Iniot. It will be noted from the drewing toelorg ent to noitginesso tenstoment and anignequests enotes must adalpuse a country of believes as bloom standing clear for entrance to the mercour or to the straits. The entrance command as drawn, is only about six hundred (600) feet wide, which is considerably assi ad saelidoob illw eredl .avorral faril add ja current to contend with in entering the laner marbour, spelmu beninido ad don bluow exatnavha sini neve jud add to has alterest and to aslange etaupobs erew eredt wolf lably ell estlance of wedtad de at to 12 or 13 1990

In the areas what we well for the lower law that I was the law that I was a still await to a far immedian to the areas, being a the last of million and from the last of the l

the readilit than of the the teek district all revide an addition of about 2 a number of (auc) seems of injustrial law. In this compaction it in only a question of the when the present larger industries, both in the 'lee Green Matriet m' the mand inset will be on alle' to rive to a new location on account of i are all it is whose and if it relians or intermine operations. This fill relians that are in the larger of the continues operations. This fill relians that are in the larger of the continues operations. This

expected. It is entirely on ob ble that sufficient inquestrial area and water frontage is available on turrari Inlet and tributary waters and clone Talse Creek to provide for the meeds of Theoryal promer durin the next fift; (50) genre. To far as Greater The ouver is concerned there are the polious areas of flat land along the Prassa Mires which can, at corparatively a all expense, be all suitsole for both industrial and haroour development. Lulu Island slone contains some twenty-five thousand (25,000) acres, most of which can be used for industries of a cert in description, requiring large tricts and not too leavy foundations. There is no indication at the present time that even this area will re vive intensive development for either industries or docume in tre is adiate future. The this is a care illusical to errote an additional contratively shell acreme at so tremendous a cost.



3. Shipping Can Get to and From it at Any Store of Tide or in any Class of Teather, Forey or Clear.

ttention has been previously directed to the turn around movement required for all ships entering and leaving the Carbour, if arranged coording to the proposed clan.

4. It ill be Closer to and fore Inti ately Connected with the sain centre of ature repulation than is ossible at any other aterirent.

for closer association ith popul tion centres and water front and impastrial areas clearly lies with those lands in the vicinity of Jurrard Inlet and the False Greek district and around the trend of population and the topography of the City.



### 5. The Cost of Construction Fill be Small.

available at the present time it is difficult to comment upon this state ent. Monever, it should be apparent that any project costing .75,600,000.00 is of major importance. A casual observation of the district and the plans submitted indicates that the emstruction cost will be extracely large, involving as it does a very great quantity of fill, several miles of bulk heading and extensive railroad and high-way construction, together with all the appurtenances such as are now in use in Emerard Inlet, only on a much greater scale.

### 6. Administration Costs ill be Li ht.

show what the administration cost would be but it seems apparent that the cost of maintaining the channel alone would be comparatively high as it is reason ble to suppose that the deposition

of materials which formed Spanish Sanz will continue, necessitating more or less constant dredging to keep the artificial channels open.

7. The frictioney of the Complete Ordertaking ill be wish Recembe it will be the Lost lodern Fork of its Kind in Existence.

of a claim impossible to ve.if, or a tetential by detailed it was and estimates. It may be said, however, that the operation of a harbout and industrial district in such a locality will be greatly andicapted by the great distance (ten (10) to twenty (20 miles) from the main classification years of the railroads. This necessitates an unusually long terminal haul, which is necessarily costly. The proposed plan compares most unfavourably with the present method of hardling shipping by rail to and from the industrial and harbour districts about Formard Inlet, the walse Croek area



and New Westminster district. The terminal operations here are compact, flexible and with some improvements can be made almost ideal.

8. Residential District.

in provements will be at the water lavel, therefore, will not unfavour bly affect the residential section in this locality which is situated at a considerable height and at some distance and from the water front. It is apparent that the operation of industries on an extensive scale would be at hely injurious to any district, business, residential or educational, when in such close preximity. Inds off the straits would carry the shore, noise and odours from such a district directly over the Inland and most likely create a pall of smake over the entire may, thereby increasing the formation of fog. The road operations alone would be sufficient to affect adversely the property in the vicinity. The

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english Bay and the absolute destruction of some of them would be inevitable. Greater I necessary would lone some of its most attractive features, notably laving laive and the recreation I factables in and around in light Tax.

#### COUCLUSIONS

effective an engineers initial aspenditure would be necessary for the construction of breck waters and provision of railroad and higher connections, without which even the rost primitive sixt of higher work only be family and masted. It stand investment in such a project and be atupations indeed, and only in much a 75,000,000. To this sum, if the olen submitted is a roset, six numbers and sixter (50) across of land ould as contest (one hundred and fifty (150) across of doesnot and number of any sure four hundred and thirt, (450) across for



acre of about all,000.00. This is rany times
more than the cost of equivalent or better placed
land on purraid Inlet. Obviously as long as land
is available elsewhere at less cost there would
be little decand for that hich build be reclaimed
through this roposed gaminh bank project.

while no one can forecast the alti to require ante of oncourer district or the province it would be most united to seem money in acticitation of needs such beyond that which one can possibly foresee. For example, it has been demonstrated that much of the total available preserved to a transfer to the total available preserved to the tit may remire fifty (50) years to utilize fully this area alone. In addition, there are other locations at hard only slightly less foremed than the provided and that a constraint of a need on the contract of the cost.

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Until Eureard Inlet is fully utilized and other frontine now possession and accessibility was been developed, it muss not seem musiness like to to the extraordinary expanse of literally contine new land continuation. The location possession so few natural advantages. In social antique on equivalent our apent on urrard Inlet, Fraser iver and other waters now in actual use for navigation and industrial advantages. The procession of even doubtful althrese necessity.

A most important consideration is the practical certainty of bally hardicapping.

if not altogether preve tine further improvement of our present larbour facilities by the diversion of so huge a sum of none; to a project allogabler beyond the times.



brothem that would be created should much a project is
this occurring a derivitize. It is an invertible rate that
dwellings, tenements, long or buses of an appropriate to e
will group themselves in close proximity to major industries, for it is necessary that the mass of workers be
within easy walking or riding distance of the place of
exployment. This applies especially to these trules have
ing to do with shipping and water front activities where the

district within five (5) riles of Spanish bank which could be economically devoted to the type of house we had. The natural tendency would be a spondic development of small economy of houses, necessarily out of manony with the prevailing class of house for thich the point rey district is justly farous. Ordinarily for entermine of such marallude, the consideration modifications for a consideration.



additional hory, variously infile and he imposed u on the thoroughfires of oil they are continued areas. We traffic is of a class to thien the stream are not designed nor to hien the repidents reaccustomed. The increase of vahicular movement in residential districts cannot improve it and its effects will assumed to destructive of movement values.

the Spanish tank Harbons evolopment project is apparently not founded upon a sound seamonic basis and as any attempt to carry it but would destroy about the last remaining beach accessible to the require, besides depreciating in value one of the finest residential and University sites on the damper, it is not besidesimally recommended that this sample to be not encouraged as opposed to sublic interest.

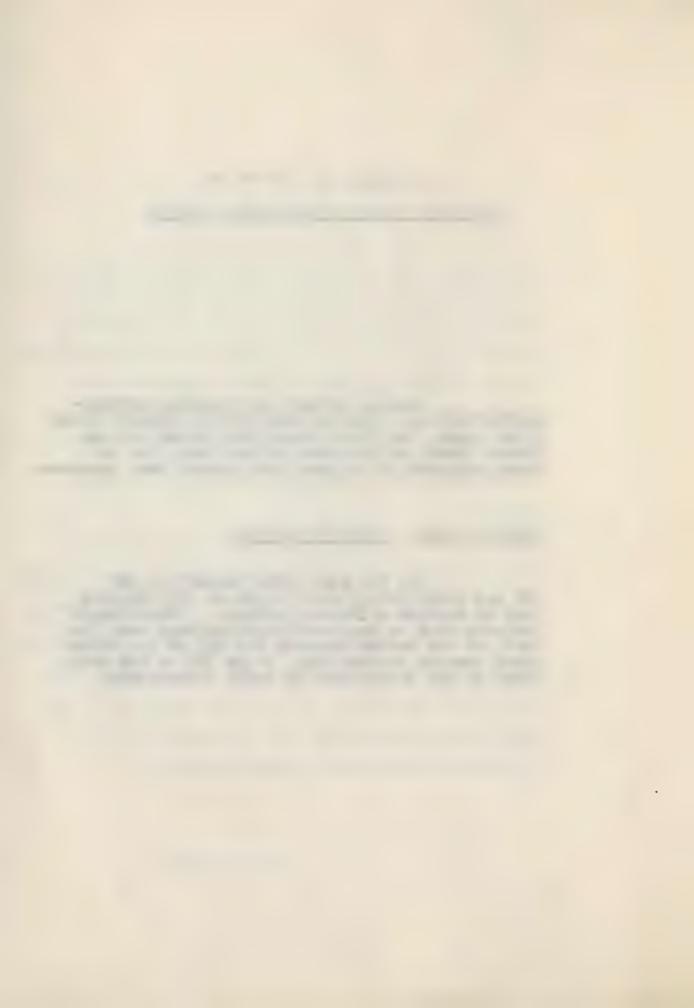
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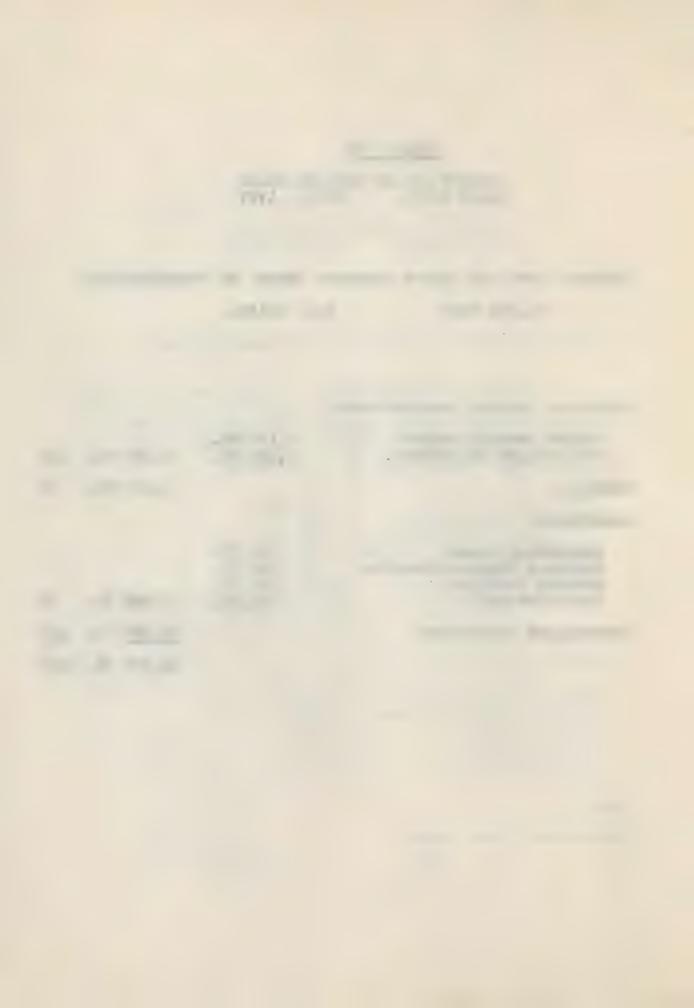
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# FORTH COE OF B. REIND INCOME. HOUTH SHOWS YEAR 1927

Between First and Second Harrows: Length of aterfrontage
27,700 feet 5.5 liles.

Va couver harbour domnissioners

ublic Rooming Ground Undeveloped aterfront.	1,1:0 ft. 4,500 ju.	5,000	ft.	19/
Sawmills		1,700	25.	Ö
Industries				
Greesoting lant Forthern Construction Co. Burnard work Co. Boatowilders	900 11. 700 ft. 400 ft.	۷,400	řt.	&;*
Indeveloped aterir int		20,000	6t.	67%
		29,700	ft.	100%.



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"It is not anticerated that the satisfact of injustral control of the satisfact of injustral control of the satisfact of the



u: gently recommended that immediate steps be taken to insure the gradual carrying out of a programe that will have for its ultilate object the complete development for harbour purposes of the entire shore line of Burrard Inlet."

The above remarks deal entirely with that portion of the Burrard Inlet between the First and Decord Varrows. It must be recognized that in the future, much of the shore line east of the Second Narrows Bridge will come in for harbour and industrial use.

#### FILSE CRIME ADOM, CONSTITER SHIPPING

According to the plans of the Vancouver Town Planning Commission, False Creek is to be retained as a "back Joor" Marbour. Plans of development have not been definitely worked out as the details are interwoven with street, transit and zoning requirements. The essential features of the plan, lowever, involve the filling in of large areas with a mainte ance of a 20 foot channel of maximum with not exceeding 500 fest with turning basins and slips. Hong the headline established by the Vancouver Marbour Commission there is at present a frontile of nearly four miles. The the filling in of a large part of Malse Creek this frontale along the somewhat reluced, but would depend on the number of slips provided.



to be a light industrial and warehouse area, served by scows, tugs and smaller vessels. The present logging concerns, it is considered, might have to move to a site such a the forth range the Freser River. While the plan does not provibe for deep sea vessels, it provides for a desirable secrepation of shipling, so that local shipping need not interfere with deep sea harbours, thus increasing the potentialities of the later.

# MORTH AND FRASER RIVER COASTVISE SHIP ING

The North Arm of the draser Liver, according to Mr. C.C. Torsfold, District Ingineer, Department of Public Torks, has been dredged to ten feet at low tide and this can be naintained if dredges are available. It the present there is not sufficient water in the changel of the Worth rm at two or tires points for turs to navirate until the tile has risen a few feet. There are many lumber mills established on the banks of the north There of the North arm of the Traser and as previously mentioned, it is expected that their numbers will be increased. hile the logs are towed up the North arm, the products are taken either by scows to Burrard Inlet or to New estminster. B. C. Tlectric trackage is also immediately available being located along the North bank.



### FRANCH RIVER DEED SEE VESSELS

Quoting again from Pr. orsfold, it may be said that the greater part of the Fraser River, from Steveston to Port Pann, has a sufficient depth even at low tide for all ocean goin vessels. It present there is throu hout a minimum 20 foot draught at high tide. Predging is being carried on to maintain a 30 foot draught with a 12 foot tide and this dredging can be carried out at a comparatively small cost as compared with the scheme of development at panish Bank. It is probably a very conservative estimate to say that the cost of dredging and caintaining the Fracer iver would not begin to pay the armual charges for a development such as that proposed at Transh Bank.

are seven or eight riles of shore frontage available for wharf we on the north side and this an be served by a rail sy, the roadbed of the old Canadian Northern Lailway still being in existence. harfage can also be found on the south shore of innacia Island. bove new estminates, both on the north are south shores there is consider by mileage that could be used for dockage.

The 1920 Annual Deport of the lew Jestminster ambour Commission shows the deep sea shipping that has been and is taking place. Or the year 1920, this report a own that the ration of deep sea vessels was 175. Ever 25 of the total foreign deep sea exports of lumber for ritish Columbia

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(exclusive of to g and bolts in 1925, we shi wer from the Transit was 18 and 1925 to volum follow and except when 19,205,000. On addition to the chorse figures it should be with the less established by the formulation of the iver not a section of the transit of the iver not a section of the transit of the interpolation of the section of the first of 700,000. He will have a freet connection with the Commism ational will be within the switching son of the Son in a self-a ilmy, thus fiving competitive raisage rese.

organization with, it is understood, con onces on let only, the erection of a cold stource plant and e. with terminals and other improvements, is estimated to cost 2,170,000.00 Evidently the potential development of the reservivor as as import at terminal and id not be over-looked.

future development in the lites already deducted by use and by investment as harbour sites, confirs the doment ents in their belief that the fevelopment of the area known is Greater Vincolver should be along lines shown in the alm of general development of such area, present a great area.

In cemeral it with the noted that any developnert along the west coast line in the vicinity of the 'many
iver will have to contend of the silt densities. P. C.
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liver have been repilly extending and the lamest have to foot contour has noved out 2500 feet in the lamest has a re-

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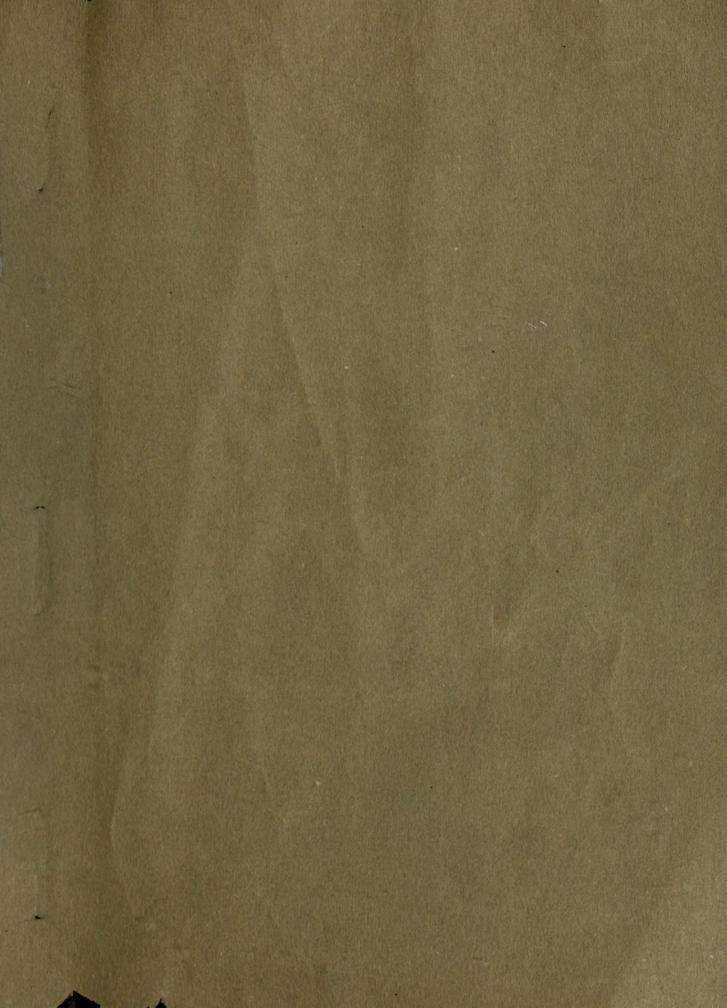


KEY MAD RESHORE AT POINT GREY. B.C. Defroited by Union Servinals Co., (for a.H. K. Mil Falance)
The 28th day of February 1912

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Drit Class. DEED MATER HARDER SPANISH BANK AT POINT GREY RESERVE L 540 THE VANCOUVER TERMINALS CO -1. The H. Trany of Varicourer B. C. & Sheth Town D.LS. CORYGIONT, CANADA ISI by AKH MACFARE

1982 PLAN OF -POINT GREY . B.C. - APPLIED FOR BY -VANCOUVER TERMINALS C Eminals Co., (per a.H. H. W. Farlanc) 1912 - 422 Richards St. Drit Reg? Reclaimed Land (06out 150 ocres) LOT MAD MANGE RESERVE L 540 The A. Trusy of Vancouver B. C. The nesteadie Shet Tray D.L.S. COPYRIGHT, CANADA by AKH MACFARLANT



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